

Figure 1: Prior Art SIP Architecture

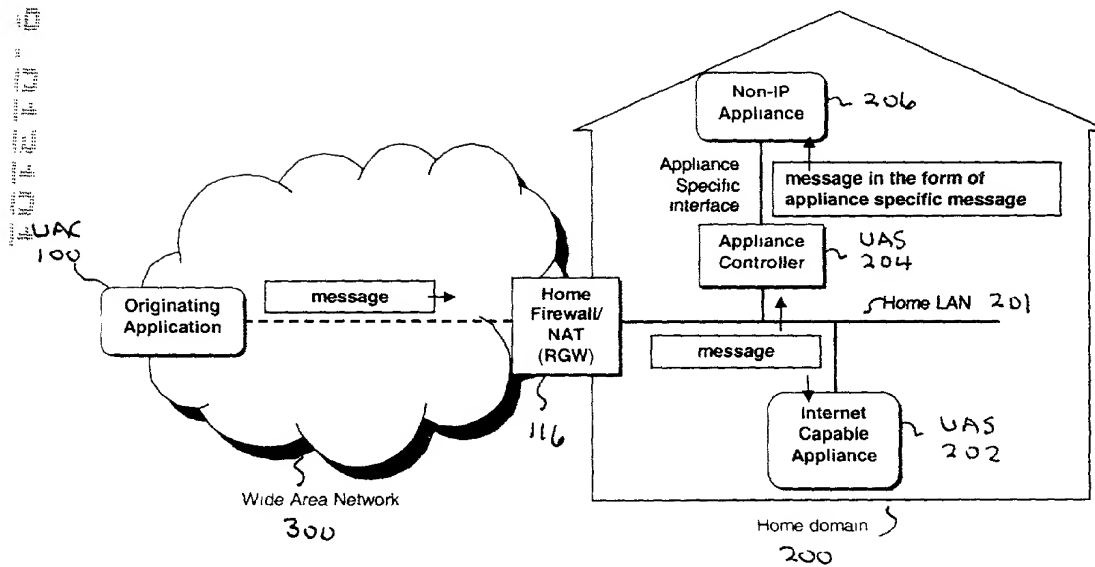


Figure 2: Network Architecture: Direct Communication with the Home Domain

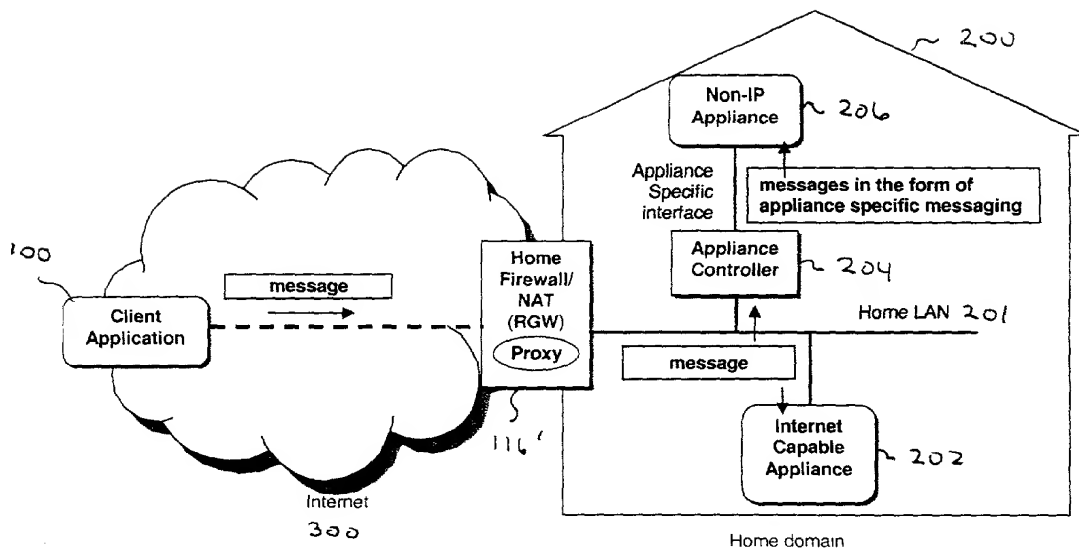


Figure 3: Network Architecture: Communication via Gateway Proxy

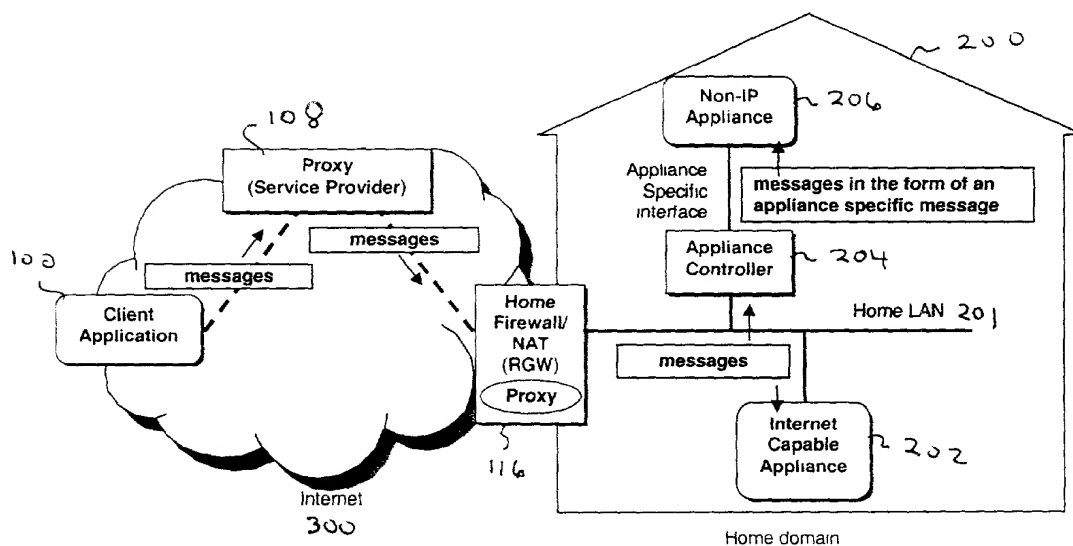


Figure 4: Network Architecture: Communication via (Service Provider) Proxy

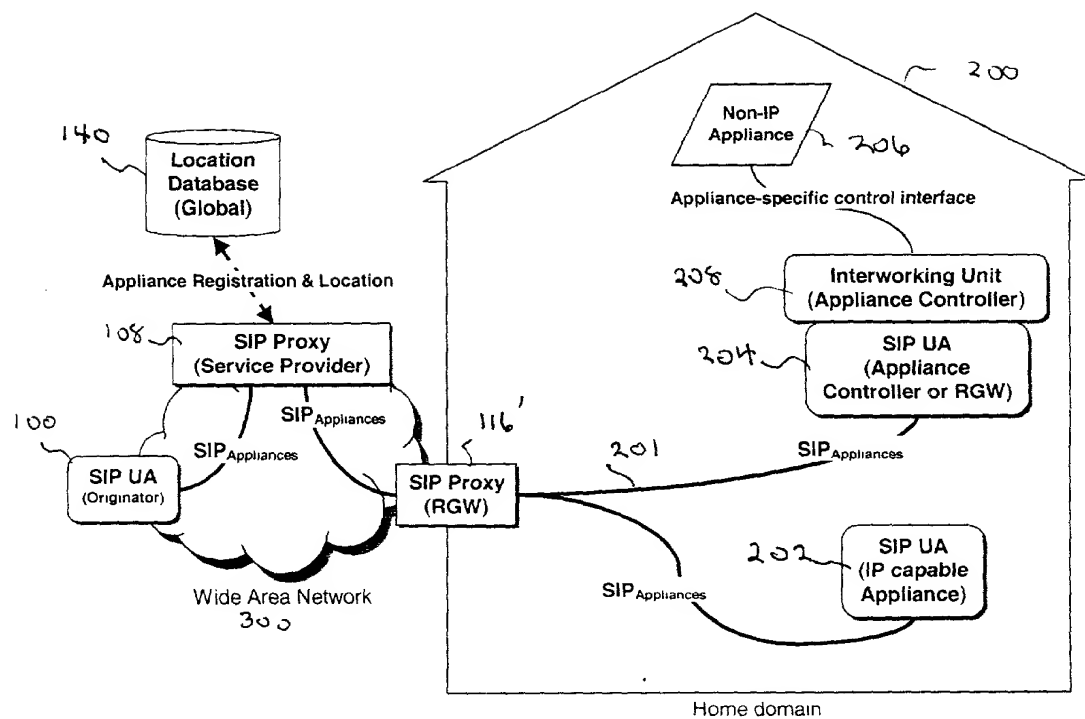


Figure 5: Example Functional Architecture for Remote Communication with Networked Appliances

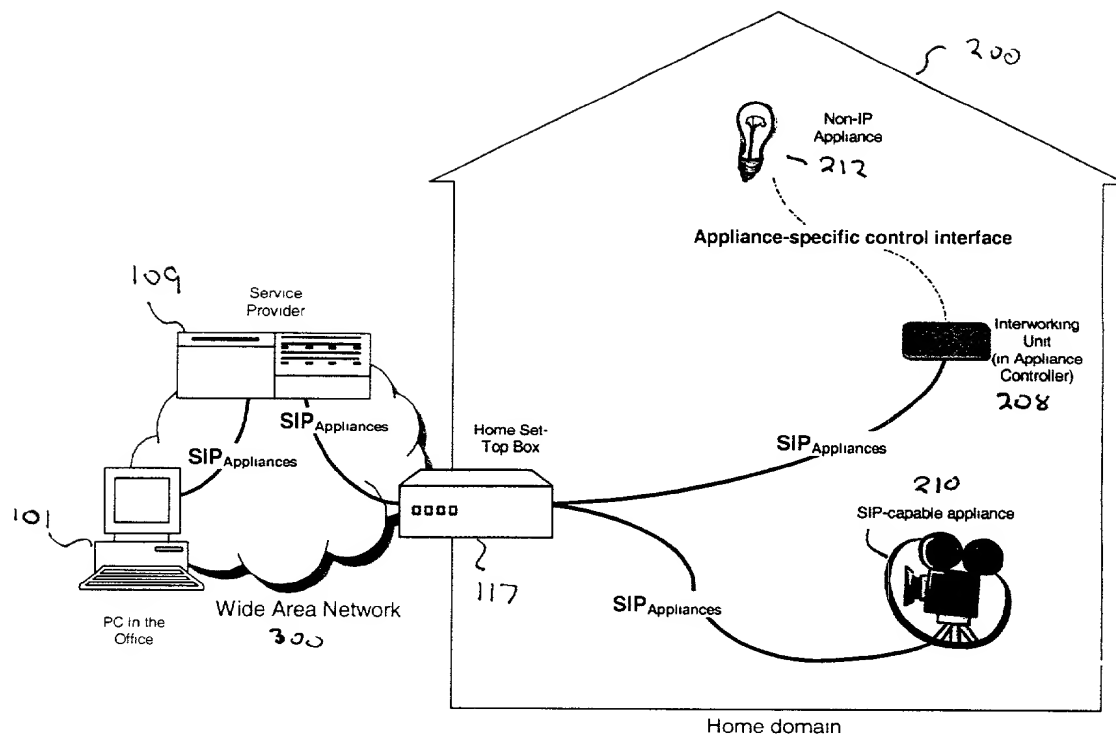


Figure 6. One Possible Physical Realization of Functional Architecture

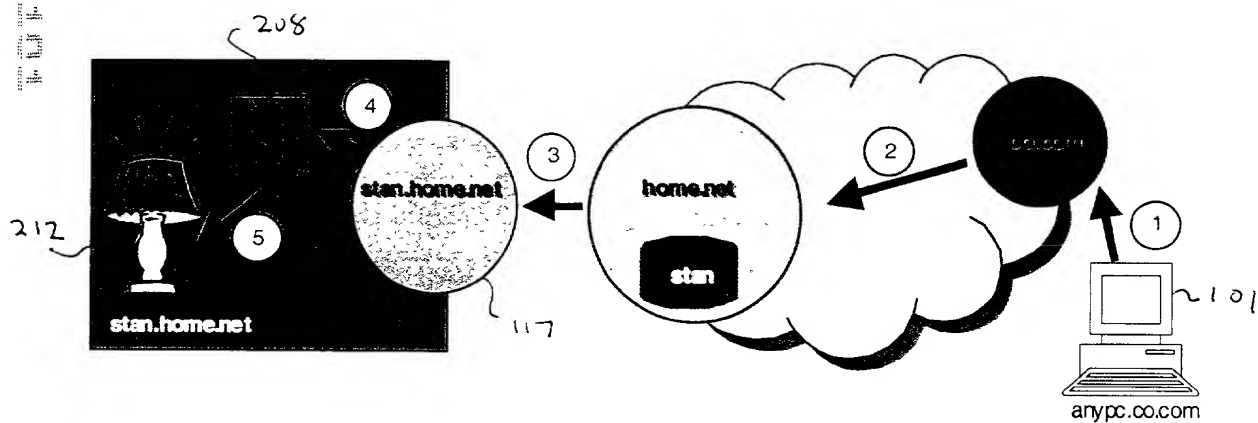


Figure 7. Simple Access to Home from Work

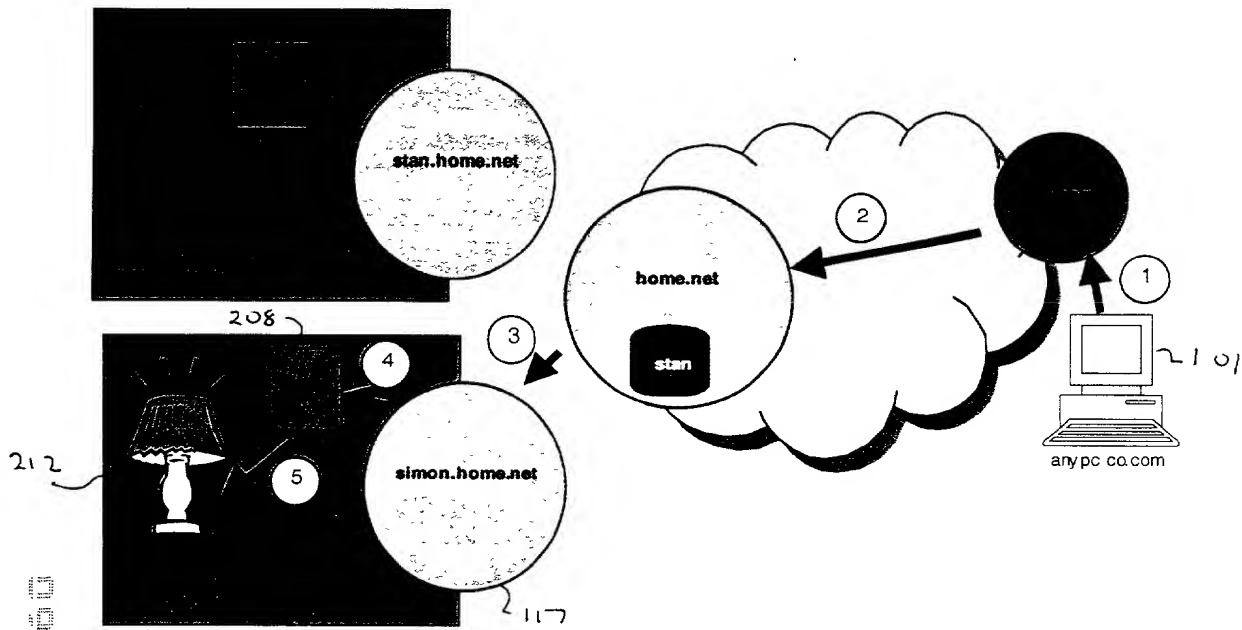


Figure 8. Access with Re-direction

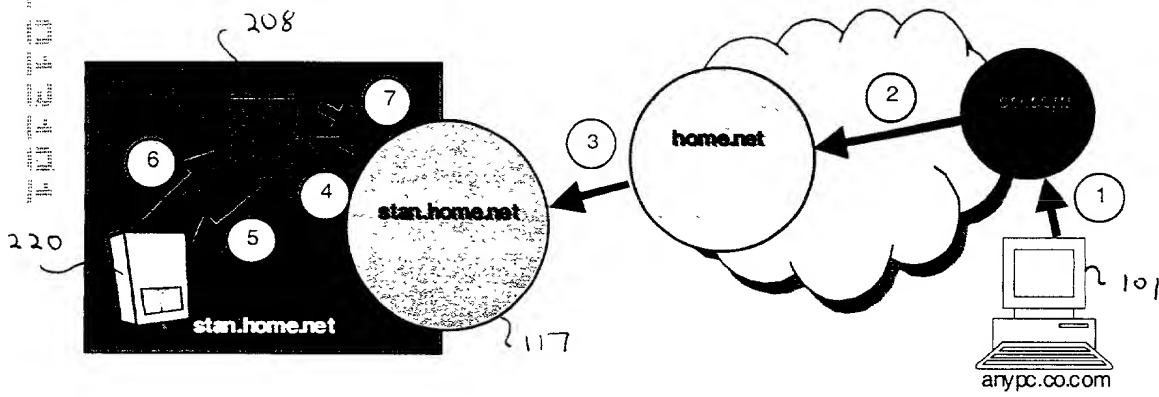


Figure 9. Checking the House Temperature from Work

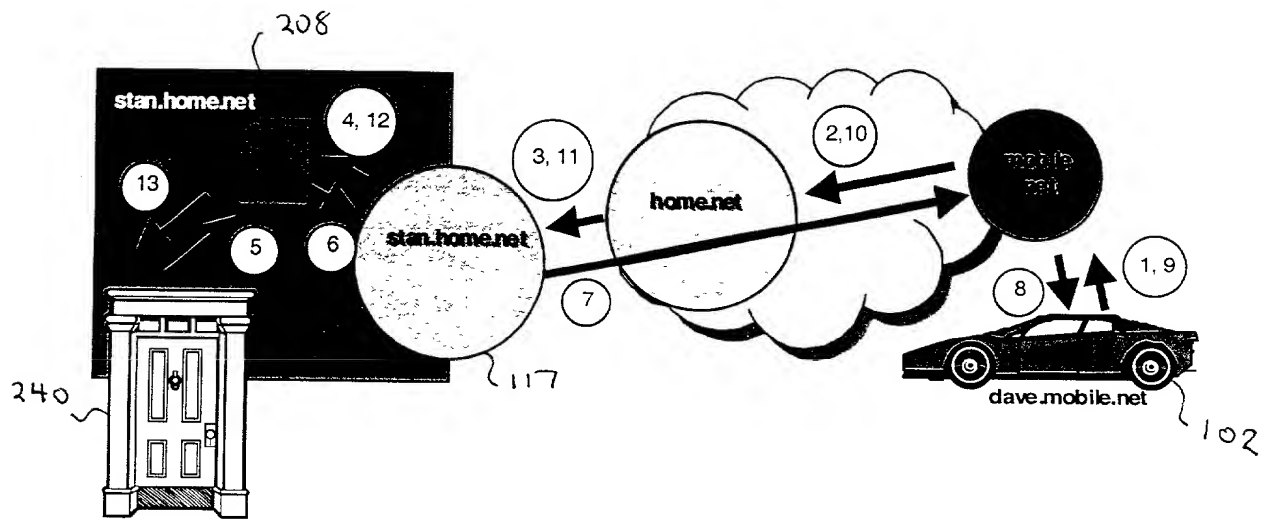


Figure 10. Answering the Front Door from a Car

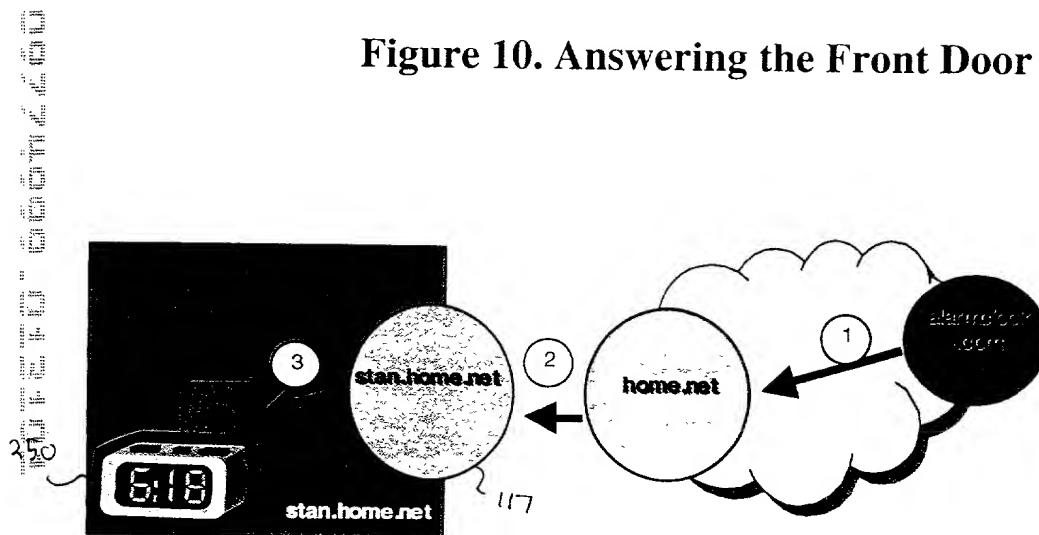


Figure 11. Network-based Alarm Clock Service
SIP Message Flows

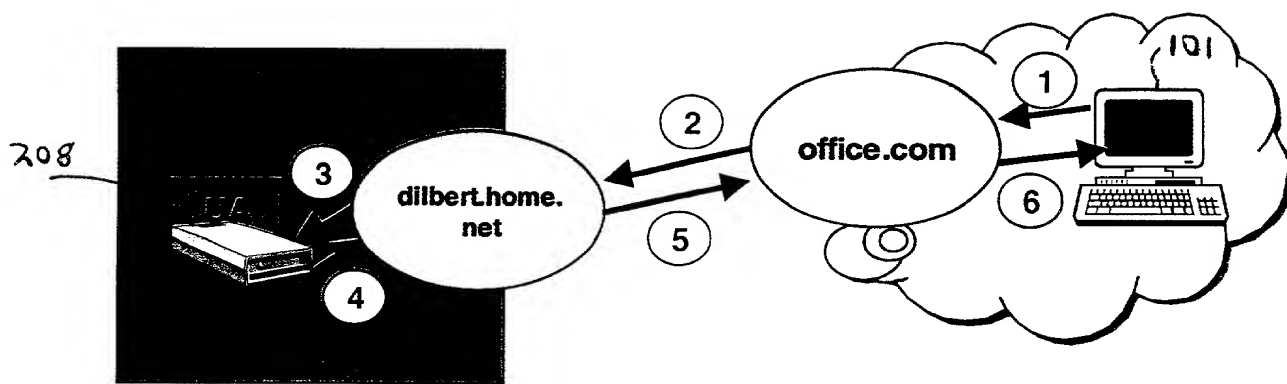


FIG. 12 Querying Capabilities Of Networked Appliances

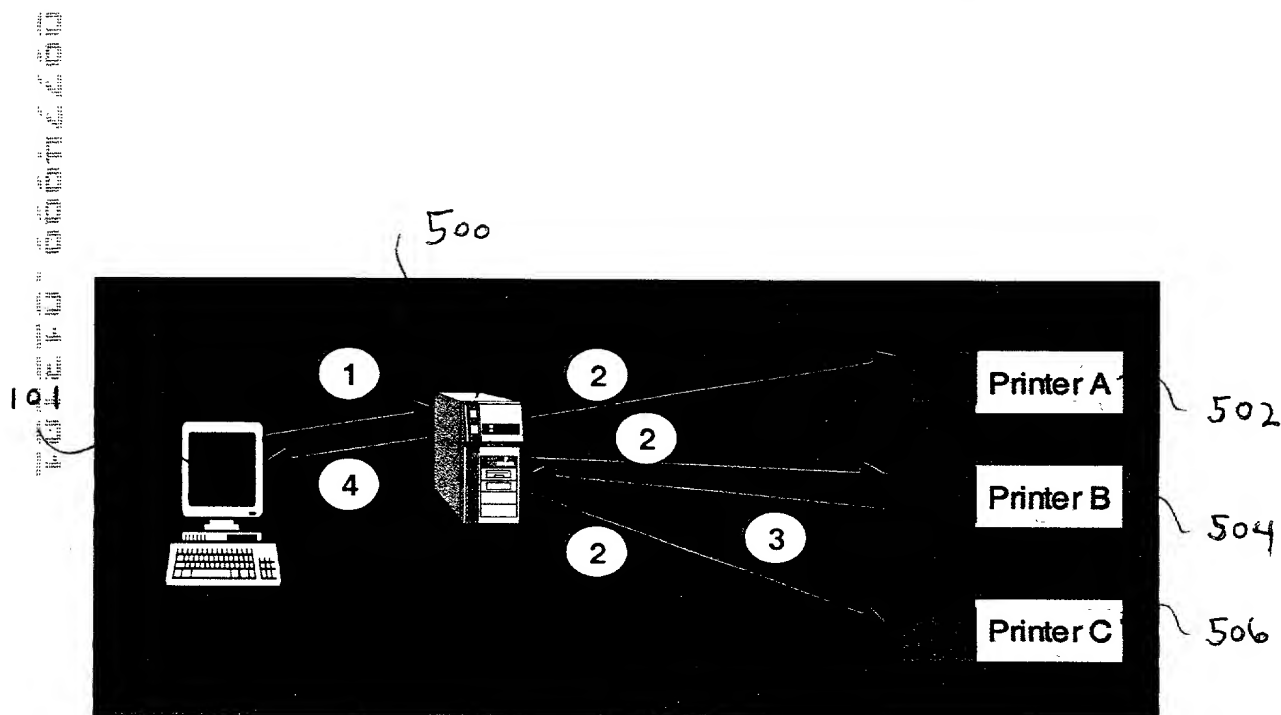


FIG. 13 Forking Services